

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number  
**WO 2005/033679 A1**

(51) International Patent Classification<sup>7</sup>: G01N 21/41,  
G01M 11/02

Nordmannavägen 50, S-224 75 Lund (SE). LENART, Thomas [SE/SE]; Kämärsvägen 5D:112, S-226 46 Lund (SE). PETTERSSON, Sven-Göran [SE/SE]; Östervång 16, S-247 32 Södra Sandby (SE). BENGTSSON, Bengt [SE/SE]; Bigarrågatan 1, S-240 14 Veberöd (SE).

(21) International Application Number:  
PCT/SE2004/001437

(74) Agent: STRÖM & GULLIKSSON IPC AB; Box 4188, S-203 13 Malmö (SE).

(22) International Filing Date: 7 October 2004 (07.10.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,

(26) Publication Language: English

*[Continued on next page]*

(30) Priority Data:  
0302676-2 9 October 2003 (09.10.2003) SE

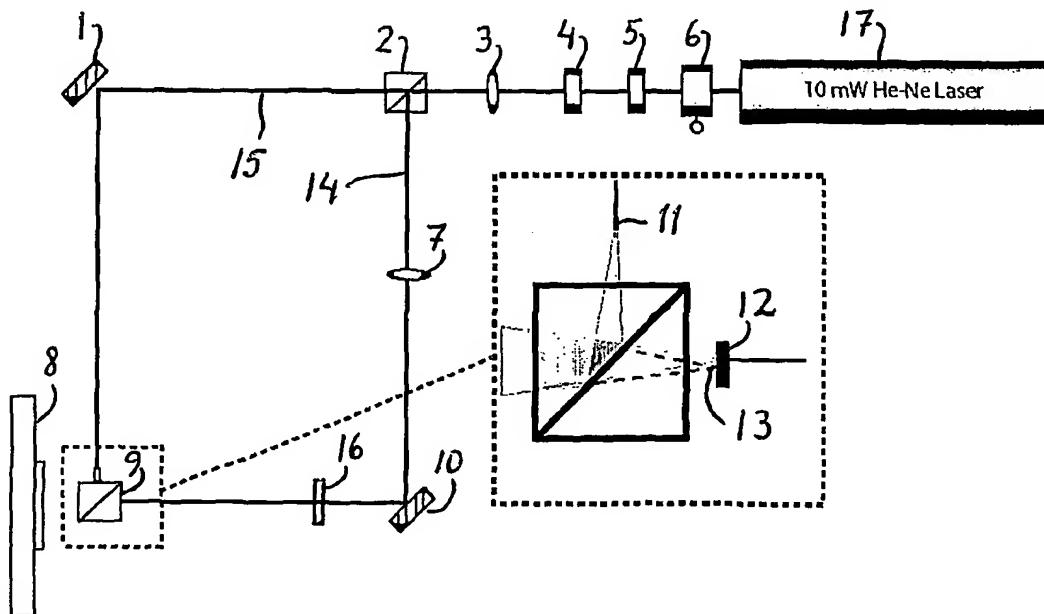
(71) Applicant (for all designated States except US): NEURAL AB [SE/SE]; Nordmannavägen 50, S-224 75 Lund (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GUSTAFSSON, Mats [SE/SE]; S Förstadsgatan 2, S-211 43 Malmö (SE). SEBESTA, Mikael [SE/SE]; Stenbocksgatan 10 B, S-211 50 Malmö (SE). EGELBERG, Peter [SE/SE];

(54) Title: METHOD AND APPARATUS FOR HOLOGRAPHIC REFRACTOMETRY

WO 2005/033679 A1



(57) Abstract: A method and device for determining refractive index of an object compared to a refractive index of a surrounding medium. The object is exposed to a laser object beam and the scattered light interferes with a laser reference beam to obtain a hologram. The hologram is analyzed for phase information, and based thereon, it is determined if the refractive index of the object is higher or lower than the refractive index of the surrounding medium.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**Published:**

— *with international search report*